



PCT10

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,386

DATE: 03/13/2003 9.6

TIME: 12:14:35

Input Set : A:\20264291.app

Output Set: N:\CRF4\03132003\J019386.raw

3 <110> APPLICANT: Bell, Adam
 4 West, Adam
 5 Felsenfeld, Gary
 7 <120> TITLE OF INVENTION: DNA BINDING PROTEIN AND SEQUENCE AS INSULATORS HAVING
 8 SPECIFIC ENHANCER BLOCKING ACTIVITY FOR REGULATION OF
 9 GENE EXPRESSION
 11 <130> FILE REFERENCE: 20264297PC
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/019,386
 14 <141> CURRENT FILING DATE: 2000-04-19
 16 <150> PRIOR APPLICATION NUMBER: 60/141,728
 17 <151> PRIOR FILING DATE: 1999-06-30
 19 <160> NUMBER OF SEQ ID NOS: 100
 21 <170> SOFTWARE: PatentIn Ver. 2.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 42
 25 <212> TYPE: DNA
 26 <213> ORGANISM: CHICKEN
 28 <220> FEATURE:
 30 <400> SEQUENCE: 1
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 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 34
 36 <212> TYPE: DNA
 37 <213> ORGANISM: CHICKEN
 39 <220> FEATURE:
 41 <400> SEQUENCE: 2
 42 gggatgtaat tacgtccctc ccccgctagg gggc 34
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 11
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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 54 ccatacgtr y 11
 57 <210> SEQ ID NO: 4
 58 <211> LENGTH: 8
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence
 62 <220> FEATURE:
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
 67 <400> SEQUENCE: 4

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73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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82 tacattaatg ca
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 42
87 <212> TYPE: DNA
88 <213> ORGANISM: CHICKEN
90 <400> SEQUENCE: 6
91 cccatttcgt gccggccgtc cctccccgc tagggggcag ca
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 42
96 <212> TYPE: DNA
97 <213> ORGANISM: CHICKEN
99 <400> SEQUENCE: 7
100 cccagggatg taattaatga aagaaccgc tagggggcag ca
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 42
105 <212> TYPE: DNA
106 <213> ORGANISM: CHICKEN
108 <400> SEQUENCE: 8
109 cccagggatg taattacgtc cctccaaata gctttttcag ca
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 42
114 <212> TYPE: DNA
115 <213> ORGANISM: CHICKEN
117 <400> SEQUENCE: 9
118 acgacggggg atcgccccct ccctgcatta atgtagggac cc
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 23
123 <212> TYPE: DNA
124 <213> ORGANISM: CHICKEN
126 <400> SEQUENCE: 10
127 gtaattacgt ccctcccccg cta
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 42
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133 <213> ORGANISM: CHICKEN
135 <400> SEQUENCE: 11
136 cccaggtcgg taattacgtc cctccccgc tagggggcag ca
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 42
141 <212> TYPE: DNA

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142 <213> ORGANISM: CHICKEN
144 <400> SEQUENCE: 12
145 cccagggatt gcattacgtc cctcccccg tagggggcag ca 42
148 <210> SEQ ID NO: 13
149 <211> LENGTH: 42
150 <212> TYPE: DNA
151 <213> ORGANISM: CHICKEN
153 <400> SEQUENCE: 13
154 cccagggatg tacggacgtc cctcccccg tagggggcag ca 42
157 <210> SEQ ID NO: 14
158 <211> LENGTH: 42
159 <212> TYPE: DNA
160 <213> ORGANISM: CHICKEN
162 <400> SEQUENCE: 14
163 cccagggatg taattacgtc cctccaaagc tagggggcag ca 42
166 <210> SEQ ID NO: 15
167 <211> LENGTH: 42
168 <212> TYPE: DNA
169 <213> ORGANISM: CHICKEN
171 <400> SEQUENCE: 15
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175 <210> SEQ ID NO: 16
176 <211> LENGTH: 42
177 <212> TYPE: DNA
178 <213> ORGANISM: CHICKEN
180 <400> SEQUENCE: 16
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184 <210> SEQ ID NO: 17
185 <211> LENGTH: 42
186 <212> TYPE: DNA
187 <213> ORGANISM: CHICKEN
189 <400> SEQUENCE: 17
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193 <210> SEQ ID NO: 18
194 <211> LENGTH: 44
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
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205 <210> SEQ ID NO: 19
206 <211> LENGTH: 40
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
213 <400> SEQUENCE: 19
214 agcgggcgca gttccccggc ggcgccgcta ggggtctctc 40

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Input Set : A:\20264291.app

Output Set: N:\CRF4\03132003\J019386.raw

217 <210> SEQ ID NO: 20
218 <211> LENGTH: 44
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
225 <400> SEQUENCE: 20
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229 <210> SEQ ID NO: 21
230 <211> LENGTH: 47
231 <212> TYPE: DNA
232 <213> ORGANISM: Xenopus laevis
234 <400> SEQUENCE: 21
235 acccgattcg gggtcggggc cccgggggtg cccgctaagg ggccccg 47
238 <210> SEQ ID NO: 22
239 <211> LENGTH: 45
240 <212> TYPE: DNA
241 <213> ORGANISM: Xenopus laevis
243 <400> SEQUENCE: 22
244 cccgattcgg ggtcggggcc ccgggggtgc ccgcgggggc cccgg 45
247 <210> SEQ ID NO: 23
248 <211> LENGTH: 45
249 <212> TYPE: DNA
250 <213> ORGANISM: Xenopus laevis
252 <400> SEQUENCE: 23
253 acccgattcg gggtcggggc cccgggggtg cccgcggggg ccccg 45
256 <210> SEQ ID NO: 24
257 <211> LENGTH: 45
258 <212> TYPE: DNA
259 <213> ORGANISM: Xenopus laevis
261 <400> SEQUENCE: 24
262 acccgattcg gggtcggggc cccgggggtg cccgcggggg ccccg 45
265 <210> SEQ ID NO: 25
266 <211> LENGTH: 42
267 <212> TYPE: DNA
268 <213> ORGANISM: Xenopus laevis
270 <400> SEQUENCE: 25
271 acccgattcg gggtcggggc cccggggccc gcggggggccc cg 42
274 <210> SEQ ID NO: 26
275 <211> LENGTH: 45
276 <212> TYPE: DNA
277 <213> ORGANISM: Xenopus laevis
279 <400> SEQUENCE: 26
280 acccgattcg gggtcggggc cccgggggtg cccgcggggg ccccg 45
283 <210> SEQ ID NO: 27
284 <211> LENGTH: 47
285 <212> TYPE: DNA
286 <213> ORGANISM: Xenopus laevis
288 <400> SEQUENCE: 27

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Input Set : A:\20264291.app

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289 acccgattcg gggtcggggc cccgggggtg cccgctaagg ggccccg      47
292 <210> SEQ ID NO: 28
293 <211> LENGTH: 39
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 28
298 cccaggcctg cactgccgcc tgccggcagg ggtccagtc      39
301 <210> SEQ ID NO: 29
302 <211> LENGTH: 33
303 <212> TYPE: DNA
304 <213> ORGANISM: CHICKEN
306 <400> SEQUENCE: 29
307 aggcgcgcct gggagctcac ggggacagcc ccc      33
310 <210> SEQ ID NO: 30
311 <211> LENGTH: 33
312 <212> TYPE: DNA
313 <213> ORGANISM: CHICKEN
315 <400> SEQUENCE: 30
316 aggcgcgcct gggagcgccg gaaccggagcg gag      33
319 <210> SEQ ID NO: 31
320 <211> LENGTH: 33
321 <212> TYPE: DNA
322 <213> ORGANISM: CHICKEN
324 <400> SEQUENCE: 31
325 aggcgcgcgc gctccgctcc ggtccggcgc tcc      33
328 <210> SEQ ID NO: 32
329 <211> LENGTH: 34
330 <212> TYPE: DNA
331 <213> ORGANISM: CHICKEN
333 <400> SEQUENCE: 32
334 aggcgcgcct gtcattctaa atctctcttt cagc      34
337 <210> SEQ ID NO: 33
338 <211> LENGTH: 33
339 <212> TYPE: DNA
340 <213> ORGANISM: CHICKEN
342 <400> SEQUENCE: 33
343 aggcgcgcgc ccccaggga tgtaattacg tcc      33
346 <210> SEQ ID NO: 34
347 <211> LENGTH: 45
348 <212> TYPE: DNA
349 <213> ORGANISM: CHICKEN
351 <400> SEQUENCE: 34
352 agccccccc caaagcccc agggatgggg gcagcagcga gccgc      45
355 <210> SEQ ID NO: 35
356 <211> LENGTH: 45
357 <212> TYPE: DNA
358 <213> ORGANISM: CHICKEN
360 <400> SEQUENCE: 35
361 ggcggctcgc tgctgcccc atccctgggg gctttggggg ggggc      45

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RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/019,386

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Input Set : A:\20264291.app
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:99; N Pos. 6,9

VERIFICATION SUMMARY

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Input Set : A:\20264291.app

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:1126 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:99
L:1126 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:99
L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0